



1DW

PTO/SB/21 (04-07)

Approved for use through 09/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	16	Application Number	10/809,688-Conf. #8599
		Filing Date	March 26, 2004
		First Named Inventor	Katsuhiko Yanagihara
		Art Unit	1637
		Examiner Name	J. Tung

Total Number of Pages in This Submission

16

Attorney Docket Number

31978-201641

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copy of a page from "Random House Dictionary" and "The Merriam-Webster On-Line Dictionary"
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	VENABLE LLP		
Signature			
Printed name	Nancy J. Axelrod		
Date	June 19, 2007	Reg. No.	44,014



PTO/SB/17 (06-07)

Approved for use through 06/30/2007. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2007

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$)	0.00	
--------------------------------	------	------	--

Complete if Known

Application Number	10/809,688-Conf. #8599
Filing Date	March 26, 2004
First Named Inventor	Katsuhiro Yanagihara
Examiner Name	J. Tung
Art Unit	1637
Attorney Docket No.	31978-201641

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 22-0261 Deposit Account Name: Venable LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
---------------------	---------------------	-----------------	----------------------

Fee (\$)	Small Entity Fee (\$)
-----------------	------------------------------

Each independent claim over 3 (including Reissues)

50	25
----	----

Multiple dependent claims

200	100
-----	-----

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
---------------------	---------------------	-----------------	----------------------

Multiple Dependent Claims

Fee (\$)	Fee Paid (\$)
-----------------	----------------------

- 56 = _____ x _____ = _____

360	180
-----	-----

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
----------------------	---------------------	-----------------	----------------------

Fee (\$)	Fee Paid (\$)
-----------------	----------------------

- 9 = _____ x _____ = _____

--	--

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
---------------------	---------------------	---	-----------------	----------------------

- 100 = _____ /50 = _____ (round up to a whole number) x _____ = _____

Fees Paid (\$)

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

SUBMITTED BY

Signature	<u>Nancy J. Axelrod</u>	Registration No. (Attorney/Agent)	44,014	Telephone	(202) 344-4000
Name (Print/Type)	Nancy J. Axelrod	Date	June 19, 2007		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Katsuhiko YANAGIHARA *et al.*

Application No.: 10/809,688

Filed: March 26, 2004

For: DETECTION OF NUCLEIC ACID
SEQUENCE VARIATIONS USING
PHAGE MU TRANSPOSEASE

Confirmation No.: 8599

Art Unit: 1637

Examiner: Joyce TUNG

Atty. Docket No. 31978-201641

Customer No.:
45323
PATENT TRADEMARK OFFICE

REPLY

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed on March 19, 2007 in the above-referenced application, please consider the remarks that follow:

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 9 of this paper.